AVOX Systems

PBE / EEBD

The AVOX Systems Protective Breathing Equipment (PBE), AVOX Systems P/N 802300-14, in its green case with a hand-carry strap, is a 15-minute duration oxygen-supplying respirator used in aviation applications. The PBE is FAA-TSO approved under TSO-C116 and TSO-C99 for smoke protection and use during firefighting aboard aircraft up to 40,000 feet.

The AVOX Systems Emergency Escape Breathing Device (EEBD), AVOX Systems P/N 802300-14-SPEC, in its bright orange case with an over-the-shoulder carry strap, is a 15-minute emergency escape respirator used in shipboard and industrial applications. AVOX Systems' EEBD has the US Navy-required NIOSH approval as a Self-Contained Breathing Apparatus for escape use under approval number TC-13F-88, and will fit in the existing shipboard stowage racks.

The PBE and EEBD systems consist of a loose-fitting, double-layer hood with a neck seal and an integral life support pack located at the back of the hood. The life support pack contains a solid-state chemical source of oxygen, a chemical scrubber for carbon dioxide and water vapor control, and a venturi pumping arrangement. The unit is powered by the chemical oxygen generator, which recirculates the breathing gas within the system loop independent of the wearer's breathing. The outer case displays simplified pictorial operating instructions.

Both units are readily available for use in their individually sealed storage containers. They are lightweight (under four pounds), and are designed to provide a minimum duration of 15 minutes of breathing time for personnel trained in their use. When properly worn, the devices can accommodate beards, long hair, and glasses.

AVOX Systems Inc.
225 Erie Street
Lancaster, NY 14086

Tele: 716 683-5100
Fax: 716 681-1089
www.avoxsys.com

Technical Sales:
800 459-3690

ISO 9001:2000 / AS9100 A:2001 AS9100

PBE / EEBD

Outstanding Features

- 15-minute, self-contained, completely disposable breathing units.
- PBE is operable to 40,000 ft.
- A solid-state chemical oxygen generator supply source with no oxygen loss during storage, as may occur with compressed gas supplies.
- Hood permits oral communication without compromising protection.
- Lightweight – 3.75 lbs. as worn, 5.15 lbs. with protective stowage case.
- Compact design – 9.5" x 8.5" x 4.3" for installation in minimum space.
- Storage life – when kept in sealed, evacuated barrier envelope: 10 years for PBE, 15 years for EEBD.
- Minimum maintenance – periodic inspection of the device for a damaged, expended or expired unit, tampering, or loss of seal, and for exposure to moisture by visual inspection of the humidity indicator.

PBE Trainer

P/N 802390-03
with orange case

EEBD Trainer

P/N 802390-08
with blue case

These non-functional training units feature the same weight and feel as the operable unit. The simulated firing mechanism can be rearmed and the neck seal is replaceable for repeated donning and doffing exercises.

Trainer Spare Parts (Open Market)

- Storage Bag P/N 10124-00
- Neck Seal, Neoprene P/N 803767-01
- Neck Seal, Urethane P/N 803150-01
- Lanyard Assembly P/N 802829-01
- Head Harness P/N 802350-03
- Reset Tool P/N 10005595

Wall Mount Unit or Stowage Assembly

- P/N 803436-22
  For PBE
  NOTE: P/N does not include PBE unit
- P/N 805815-01
  For EEBD
  NOTE: P/N does not include EEBD unit

WARNING

THE AVOX SYSTEMS PBE IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS. IT IS TO BE USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THE AVOX SYSTEMS EEBD IS INTENDED TO BE USED ONLY FOR SHIPBOARD AND INDUSTRIAL APPLICATIONS. IT IS TO BE USED ONLY BY PERSONS TRAINED AND QUALIFIED IN ITS USE.

THE AVOX SYSTEMS PBE AND EEBD INCLUDE A CHEMICAL OXYGEN GENERATOR WHICH PRODUCES OXYGEN AND HEAT WHEN ACTIVATED.

IMPROPER USE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH. IMPROPER USE INCLUDES, BUT IS NOT LIMITED TO, USE OTHER THAN IN STRICT ACCORDANCE WITH THE INSTRUCTIONS AND LABELS PROVIDED WITH IT.

IMPORTANT SHIPPING NOTICE

CHEMICAL OXYGEN GENERATORS AND DEVICES INCORPORATING CHEMICAL OXYGEN GENERATORS ARE CONSIDERED A HAZARDOUS MATERIAL FOR SHIPMENT.

THE AVOX SYSTEMS PBE AND EEBD HAVE BEEN ASSIGNED THE SHIPPING NAME “OXYGEN GENERATOR, CHEMICAL” AND THE IDENTIFICATION NUMBER UN 3356.

SHIPMENTS OF AVOX SYSTEMS PBE AND EEBD UNITS IN THE UNITED STATES MUST BE MADE IN COMPLIANCE WITH THE US HAZARDOUS MATERIAL REGULATIONS AND REQUIRE AN APPROVAL ISSUED BY US DOT.

OTHER RESTRICTIONS ON SHIPMENT MAY APPLY IN OTHER COUNTRIES.

Copyright 2004, AVOX Systems Inc. All Rights Reserved • Printed in USA • AVIA 5524E 3/06